PROJECT CONTROL NUMBER: 5100972

NORTH CENTRAL REGIONAL TRANSIT DISTRICT

ESPAÑOLA, NEW MEXICO

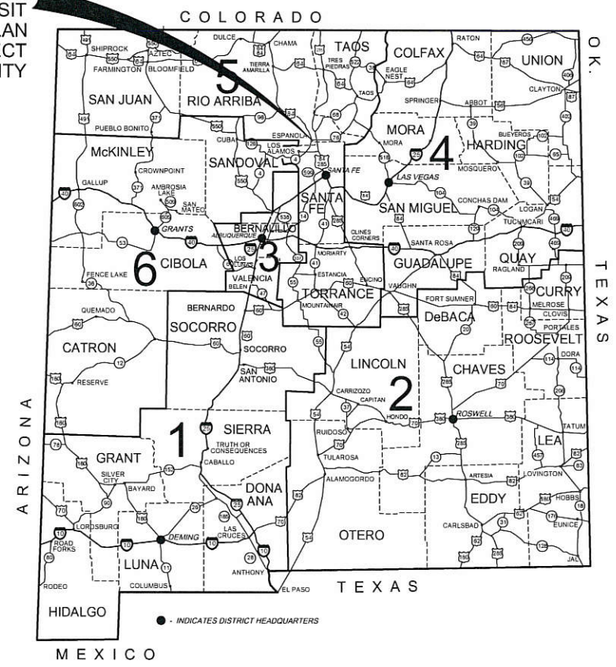
CONSTRUCTION PLANS

TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENTS PROJECT PHASE 1

RIO ARRIBA COUNTY

CN 5100972

NMDOT CN 5100972
PROJECT TERMINI: TRANSIT STOPS ADA TRANSITION PLAN IMPROVEMENT PROJECT
RIVERSIDE DR, RIO ARRIBA COUNTY



SERVING NORTH CENTRAL NEW MEXICO

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
9/29/15

WILSON & COMPANY

LUJAN, STEPHEN M. Drawing File: M:\TRN\14-100-139-00\CN9000290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:03 AM

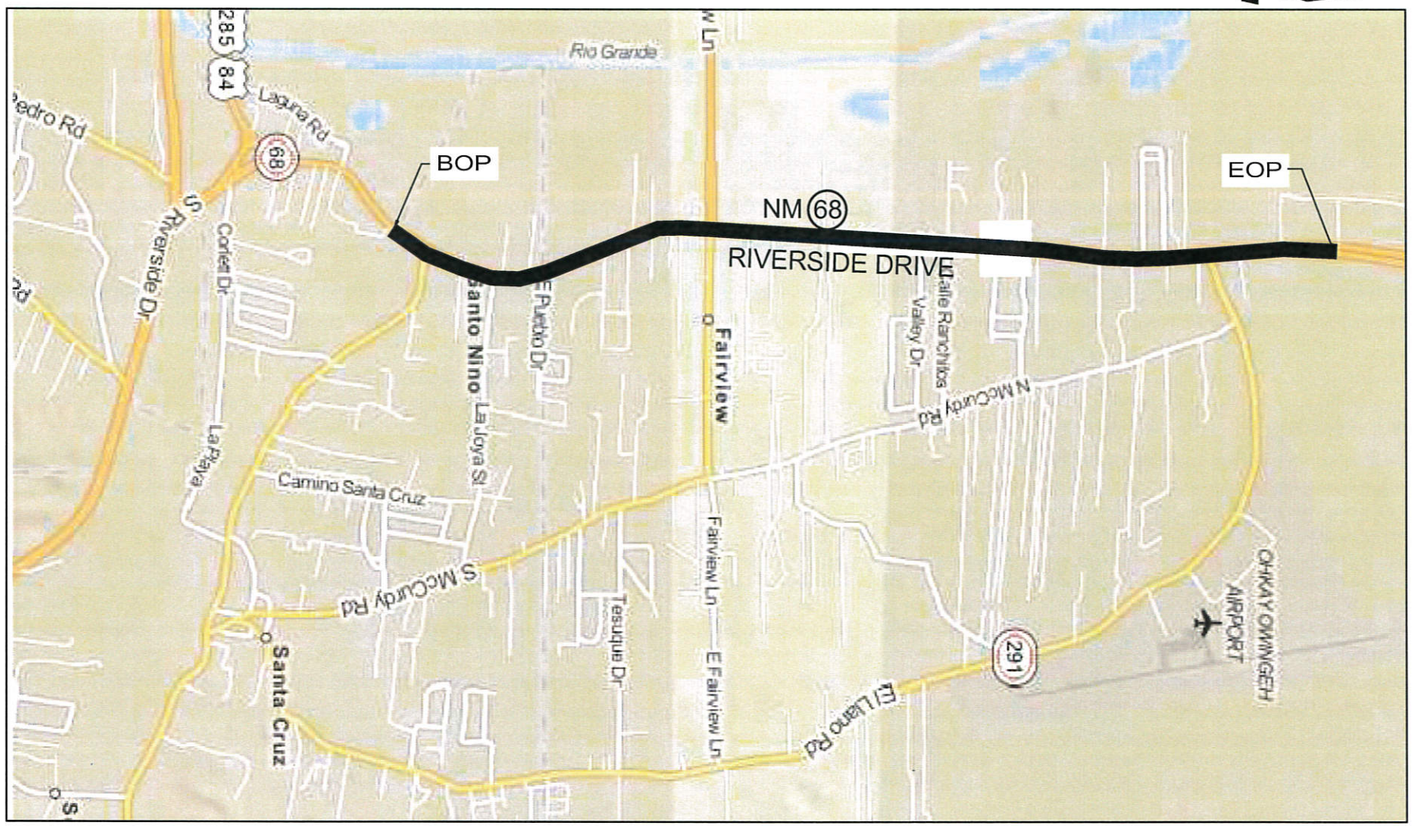
DESIGNED BY: WILSON & COMPANY NEW MEXICO PROJECT NO. CN 5100972 DRAWING SCALE: SHEET NO. 1-1

INDEX OF SHEETS

SHEET NUMBER	DESCRIPTION	
1-1	COVER SHEET	
1-2	INDEX OF SHEETS & VICINITY MAP	
1-3	LOCATION MAP #1	
1-4	LOCATION MAP #2	
1-5	LOCATION MAP #3	
1-6	GENERAL NOTES & INCIDENTAL ITEMS	
1-6A	ENVIRONMENTAL COMMITMENTS	
1-7	MISC. DETAILS	
1-8	SUMMARY OF QUANTITIES & LIST OF REMOVALS	
1-9	PLAN VIEW - BUS SHELTER/STOP DETAIL	
	SHEET SUBTOTAL =	10
2-1	(NOT USED)	
	SHEET SUBTOTAL =	0
3-1 TO 3-2	ADA TRANSIT BUS STOP #81	
3-3 TO 3-4	ADA TRANSIT BUS STOP #82	
3-5 TO 3-6	ADA TRANSIT BUS STOP #83	
3-7 TO 3-8	ADA TRANSIT BUS STOP #84	
3-9 TO 3-10	ADA TRANSIT BUS STOP #85	
3-11 TO 3-12	ADA TRANSIT BUS STOP #86	
3-13 TO 3-14	ADA TRANSIT BUS STOP #99	
3-15 TO 3-16	ADA TRANSIT BUS STOP #101	
3-17 TO 3-18	ADA TRANSIT BUS STOP #102	
	SHEET SUBTOTAL =	18
4-1	(NOT USED)	
	SHEET SUBTOTAL =	0
5-1	(NOT USED)	
	SHEET SUBTOTAL =	0
6-1	(NOT USED)	
	SHEET SUBTOTAL =	0
7-1	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)	
7-2	TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)	
	SHEET SUBTOTAL =	2
8-1	(NOT USED)	
	SHEET SUBTOTAL =	0
9-1	(NOT USED)	
	SHEET SUBTOTAL =	0
10-1	(NOT USED)	
	SHEET SUBTOTAL =	0
11-1	(NOT USED)	
	SHEET SUBTOTAL =	0
12 -1	(NOT USED)	
	SHEET SUBTOTAL =	0
13-1	(NOT USED)	
	SHEET SUBTOTAL =	0
14-1	NMDOT SERIAL DRAWINGS	
	SHEET SUBTOTAL =	1
	SHEET TOTAL =	31

LIST OF NMDOT STANDARD DRAWINGS

SHEET NO.	DESCRIPTION	REV. DATE	SERIAL
14-1	PULL BOX DETAILS	10/30/14	710S-01-1/1



VICINITY MAP

INTENT OF PROJECT

INSTALLATION OF NEW TRANSIT STOPS, SHELTERS AND SIGNING

RTD
SERVING NORTH CENTRAL NEW MEXICO

PLANS WERE DESIGNED AND/OR ASSEMBLED BY:
WILSON & COMPANY, INC. ENGINEERS AND ARCHITECTS
(505) 348-4000
SCOTT PERKINS, P.E.
SCOTT.PERKINS@WILSONCO.COM

NMDOT CONTACT:
PDE - LAWRENCE LOPEZ, P.E.
LAWRENCE.LOPEZ@STATE.NM.US

SCOTT F. PERKINS NEW MEXICO 10272 9/29/15 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

INDEX OF SHEETS & VICINITY MAP

SHT 1-2

WILSON & COMPANY

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:03 AM

PROJECT LOCATION MAP #1

LEGEND

= TRANSIT BUS STOP
STOP ID # = TRANSIT BUS STOP NUMBER

TRANSIT STOPS THIS SHEET

TRANSIT STOP # 85 ON RIVERSIDE DR
TRANSIT STOP # 86 ON RIVERSIDE DR

RTD
SERVING NORTH CENTRAL NEW MEXICO

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
9/29/15
REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

LOCATION MAP #1

SHT 1-3

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:03 AM

PROJECT LOCATION MAP #2

LEGEND

= TRANSIT BUS STOP
STOP ID # = TRANSIT BUS STOP NUMBER

TRANSIT STOPS THIS SHEET

TRANSIT STOP # 82 ON RIVERSIDE DR
TRANSIT STOP # 83 ON RIVERSIDE DR
TRANSIT STOP # 84 ON RIVERSIDE DR
TRANSIT STOP # 99 ON RIVERSIDE DR
TRANSIT STOP # 101 ON RIVERSIDE DR

SERVING NORTH CENTRAL NEW MEXICO

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 2/2/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

LOCATION MAP #2

SHT 1-4

WILSON & COMPANY

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:03 AM

PROJECT LOCATION MAP #3

LEGEND

▭ = TRANSIT BUS STOP
STOP ID # = TRANSIT BUS STOP NUMBER

TRANSIT STOPS THIS SHEET

TRANSIT STOP # 81 ON RIVERSIDE DR
TRANSIT STOP # 102 ON RIVERSIDE DR

RTD
SERVING NORTH CENTRAL NEW MEXICO

SCOTT F. PERKINS
NEW MEXICO
10272
9/22/15
REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

LOCATION MAP #3

SHT 1-5

WILSON & COMPANY

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:03 AM

GENERAL NOTES

1. CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE
THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN 15 FEET FROM THE EDGE OF THE DRIVING LANE OR WITHIN THE TOE OF SLOPE IN AREAS WITH SLOPES OF 3:1 OR GREATER UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION AND REMOVAL OF THE SHIELDING SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR. THE CONTRACTOR WILL CLEAN EQUIPMENT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO AVOID THE SPREAD OF NOXIOUS WEEDS.

2. PROTECTION OF TRAFFIC
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL TRAFFIC FROM CONSTRUCTION OPERATIONS.

3. PROTECTION OF CRASH SITE MEMORIAL "DESCANSOS"
FOR DESCANSOS LOCATED ALONG THE HIGHWAY WITHIN THE PROPOSED PROJECT LIMITS, THE CONTRACTOR SHALL DOCUMENT AND PHOTOGRAPH ALL DESCANSOS WITHIN THE PROJECT LIMITS. SIGNS SHALL BE INSTALLED AT THE BEGINNING OF PROJECT AND END OF PROJECT TWO WEEKS PRIOR TO THE BEGINNING OF CONSTRUCTION NOTIFYING FAMILIES THAT THEY HAVE THE OPTION TO REMOVE THE DESCANSOS. THE CONTRACTOR SHALL ALSO CONTACT LOCAL NEWSPAPER AND RADIO TWO WEEKS PRIOR THE BEGINNING OF CONSTRUCTION NOTIFYING FAMILIES THAT THEY HAVE THE OPTION TO REMOVE THE DESCANSOS. DESCANSOS REMAINING AFTER THE TWO WEEK PERIOD AND AT THE COMMENCEMENT OF CONSTRUCTION SHALL BE REMOVED FROM CONSTRUCTION ZONE AND REPOSITIONED ALONG THE RIGHT-OF-WAY DIRECTLY ADJACENT TO THEIR ORIGINAL LOCATION. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO SEE THAT ANY AND ALL DESCANSOS WITHIN THE PROJECT LIMITS ARE NOT ADVERSELY IMPACTED DURING CONSTRUCTION ACTIVITIES. THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.

4. REMOVALS
THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE PROJECT MANAGER. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 601000 – "REMOVAL OF STRUCTURES AND OBSTRUCTIONS" AND THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR UNLISTED REMOVALS.

5. SALVAGE OF EXISTING SIGNS
PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE PROJECT MANAGER TO OBTAIN DIRECTION AS TO WHICH OF THE EXISTING PERMANENT SIGNS (INCLUDING SIGN POSTS) SCHEDULED FOR REPLACEMENT WILL BE SALVAGED. IN ACCORDANCE WITH SECTION 601.3.6 OF THE NMDOT SPECIFICATIONS, THE CONTRACTOR SHALL DELIVER SALVAGEABLE SIGNS AND POSTS TO THE NCRTD OFFICE OR DESIGNATED MAINTENANCE YARD. ALL OTHER SIGNS, POSTS AND SIGN BASES WILL BE DISPOSED OF BY THE CONTRACTOR IN AN ENVIRONMENTALLY SAFE MANNER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 601000 – "REMOVAL OF STRUCTURES AND OBSTRUCTIONS".

6. CONSTRUCTION SIGNING
ALL CONSTRUCTION SIGNING FOR THIS PROJECT SHALL MEET TYPE XI SHEETING AS WELL AS SECTION 702 OF THE NMDOT SPECIFICATIONS AND CURRENT EDITION OF THE MUTCD. IN ADDITION, ANY CONSTRUCTION SIGNING LEFT IN PLACE FOR MORE THEN 3 DAYS SHALL BE MOUNTED ON POSTS OR OTHER EQUIVALENT MEANS APPROVED BY THE PROJECT MANAGER.

7. TRAFFIC CONTROL PLAN (TCP)
TYPICAL RIGHT LANE CLOSURE (SHEET 7-1) SHALL BE USED FOR CONSTRUCTION OF THE SHELTERS. CONTRACTOR SHALL NOTIFY, THROUGH THE PROJECT MANAGER, THE NMDOT DISTRICT TRAFFIC ENGINEER OF THE FOLLOWING:

A. THE CONTRACTOR ACCEPTS AS ITS OWN AND INTENDS TO FULLY UTILIZE THE PROVIDED TRAFFIC CONTROL PLAN. IN SUCH CASE THE CONTRACTOR SHALL SUBMIT, AN ACCEPTANCE LETTER STAMPED BY A LICENSED PROFESSIONAL ENGINEER REGISTERED IN NEW MEXICO STATING THE CONTRACTOR'S INTENT TO UTILIZE AND BE FULLY LIABLE FOR THE PROVIDED TRAFFIC CONTROL PLAN INCLUDING PHASING, TRAFFIC CONTROL ITEM PLACEMENT AND QUANTITIES.

B. IF THE CONTRACTOR PREFERS TO MODIFY THE SEQUENCE, PHASING, AND/OR TRAFFIC CONTROL PLAN THE CONTRACTOR SHALL SUBMIT AN ALTERNATE TRAFFIC CONTROL PLAN TO THE PROJECT MANAGER FOR SUBMITTAL TO DISTRICT TRAFFIC ENGINEER FOR REVIEW AND APPROVAL. THE PLAN SHALL BE SUBMITTED AT LEAST 10 WORKING DAYS BEFORE THE PRECONSTRUCTION CONFERENCE AND OR BEFORE REQUESTED CHANGES SHALL TAKE PLACE. THE PLAN SHALL BE SUBMITTED ON 11" X 17" SHEETS. NO HAND DRAFTED TRAFFIC CONTROL PLANS WILL BE ACCEPTED. THE CONTRACTOR'S PROPOSED ALTERNATE PLAN SHALL BE REVIEWED, APPROVED AND SEALED/STAMPED BY A NEW MEXICO REGISTERED PROFESSIONAL ENGINEER BEFORE THEY ARE SUBMITTED TO THE NMDOT. NO PROJECT CONSTRUCTION SHALL BEGIN UNTIL APPROVAL OF THE TRAFFIC CONTROL PLAN HAS BEEN RECEIVED BY THE CONTRACTOR. THE DEPARTMENT SHALL REVIEW AND APPROVE THE MODIFIED SEQUENCE/TRAFFIC CONTROL PLAN IN ACCORDANCE WITH SECTION 104.8, VALUE ENGINEERING COST PROPOSAL (VECP). THE NMDOT'S DISTRICT TRAFFIC SECTION RESERVES THE RIGHT TO MAKE CHANGES TO THE CONTRACTOR'S TRAFFIC CONTROL PLAN TO ADDRESS SITE SPECIFIC ITEMS THAT WERE NOT SHOWN ON THE PLANS. NMDOT ALSO RESERVES THE RIGHT TO ADD DEVICES AND/OR SIGNS TO THE APPROVED PLAN IF IT IS DETERMINED BY THE TRAFFIC ENGINEER THAT THE SIGNS AND/OR DEVICES WOULD BE REQUIRED TO ADDRESS SAFETY CONCERNS WITHIN OR IN ADVANCE OF THE WORK ZONE. ANY CHANGES TO THE PLANS WHICH RESULT IN ADDITIONAL SIGNS AND/OR DEVICES WILL BE CONSIDERED INCIDENTAL TO ITEM 618000 – TRAFFIC CONTROL MANAGEMENT.

8. PUBLIC ACCESS TO LOCAL BUSINESS AND RESIDENCES
THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE PROPERTY OWNERS AND THE PROJECT MANAGER OF ANY SCHEDULED ACCESS MODIFICATIONS AT LEAST 24 HOURS IN ADVANCE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

9. PUBLIC NOTIFICATION OF LANE CLOSURES
THROUGHOUT THE LIFE OF THIS PROJECT THE CONTRACTOR SHALL, WITH PRIOR APPROVAL BY THE PROJECT MANAGER, BE RESPONSIBLE TO KEEP THE NCRTD, STACEY MCGUIRE 505-629-4704 OR STACEYM@NCRTD.ORG, AND LOCAL NEWS MEDIA INFORMED OF ANY LANE CLOSURES THAT WILL RESTRICT THE NORMAL FLOW OF TRAFFIC ALONG WITH ALL INFORMATION REGARDING CONSTRUCTION ACTIVITIES THAT WILL AFFECT TRAFFIC. DISTRICT PUBLIC RELATIONS CONTACT INFORMATION IS AS FOLLOWS. OFFICE NUMBER IS 505-629-4704. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR.

10. CONTRACTOR COORDINATION WITH UTILITIES
THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY WORK BY THE UTILITY OWNERS MAY HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE SCHEDULE OF WORK WITH RESPECTIVE UTILITY OWNERS WITHIN AND/OR IMMEDIATELY ADJACENT TO THE CONTRACT BOUNDARY. ANY CLAIMS FOR DELAYS SHALL BE CONTROLLED BY THE TERM AND CONDITIONS OF SECTIONS 105.6-COOPERATION WITH UTILITIES, AND 107.20 CONTRACTOR'S RESPONSIBILITY AND 107.21 CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTY AND SERVICES OF THE SPECIFICATIONS.

11. UTILITY
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE UTILITIES CONTRACTOR, AND SUCH COORDINATION IS INCIDENTAL TO THE CONTRACT. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT, MAINTAIN IN SERVICE AND VERIFY EXACT HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES DURING OR PRIOR TO CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL REPAIR ANY UTILITIES DAMAGED BY HIS WORK OPERATIONS AT HIS EXPENSE.

12. ROW NOTE
THE CONTRACTOR WILL NOTIFY NCRTD ONE (1) WEEK PRIOR TO STARTING ANY CONSTRUCTION ON ANY INDIVIDUAL SITE SO THAT THE BACK CORNERS OF THE SITE WILL BE STAKED. THE BACK CORNERS WILL BE UTILIZED BY THE CONTRACTOR FOR ALL STOP/SHELTER CONSTRUCTION. THE PROJECT RIGHT OF WAY HAS NOT BEEN ESTABLISHED SO THE CONTRACTOR WILL NOT DISTURB OR DESTROY ANYTHING TO THE OUTSIDE OF THE STAKED CORNERS.

13. BUS SHELTERS AND TRASH RECEPTACLES
BUS SHELTERS AND TRASH RECEPTACLES HAVE BEEN PURCHASED IN ADVANCE BY NCRTD. THE TRANSPORTATION OF BUS SHELTERS AND TRASH RECEPTACLES FROM THE NCRTD YARD (1327 N RIVERSIDE DR, ESPANOLA, NM 87532) TO THE VARIOUS SITES AND INSTALLATION OF THE SHELTERS AND TRASH RECEPTACLES WILL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT. NCRTD WILL COMPLETE PRE-ASSEMBLY AND PROVIDE ANCHORS FOR THE SHELTERS AND TRASH RECEPTACLES. EXACT LOCATION OF THE BUS SHELTER WILL BE DETERMINED BY NCRTD, COORDINATE WITH STACEY MCGUIRE 505-629-4704 OR STACEYM@NCRTD.ORG ONE (1) WEEK PRIOR TO CONSTRUCTION.

14. THE CONTRACTOR WILL DEVELOP A LAYOUT WITH SIGNING FOR A TEMPORARY TRANSIT STOP (LOCATED BY THE NCRTD) WHILE THE NEW STOP IS BEING CONSTRUCTED. THE CONTRACTOR WILL SUBMIT THIS ONE (1) WEEK, PRIOR TO STARTING ANY CONSTRUCTION, TO NCRTD FOR COORDINATION/REVIEW AND APPROVAL. THIS WORK SHALL BE INCIDENTAL TO CONTRACTOR ITEM NO. 618000 – TRAFFIC CONTROL MANAGEMENT.

15. THE 2014 NEW MEXICO STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SHALL GOVERN CONSTRUCTION OF THIS PROJECT UNLESS SPECIFIED OTHERWISE BY THESE PLANS.

16. PROTECTION OF SURVEY MONUMENTS
THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARK) FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. IF, DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE GEODETIC MARK PRESERVATION CENTER-NOAA, TELEPHONE (505) 768-3606. WHEN IT BECOMES NECESSARY, BY REASON OF CONSTRUCTION, TO REMOVE OR OBLITERATE ANY TRIANGULATION STATION, BENCHMARK, CORNER, MONUMENT, STAKE, WITNESS MARK, OR OTHER SURVEY REFERENCE MARK, IT SHALL BE THE DUTY OF THE CONTRACTOR TO CAUSE, AT THE CONTRACTORS EXPENSE, THE MARK TO BE REESTABLISHED BY A REGISTERED SURVEYOR IN ACCORDANCE WITH THE NEW MEXICO STATE STATUTE 61-23-1 THROUGH 61-23-32.

17. MAINTENANCE OF AS BUILT PLANS
THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECTED TO REVIEW BY THE PROJECT MANAGER OR HIS REPRESENTATIVE THROUGHOUT THE PROJECT AND WILL BE REVIEWED BY THE PM FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT.

18. CONTRACTOR SHALL KEEP WORK SITE IN AN ORDERLY CONDITION. DURING CONSTRUCTION, THE WORK SITE SHALL BE KEPT FREE DRAINING. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE WORK SITE IN A CONDITION ACCEPTABLE TO THE PROJECT MANAGER.

19. THE CONTRACTOR IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES DISCOVERED IN THE PLANS AND/OR SPECIFICATIONS PROMPTLY TO THE PROJECT MANAGER IN WRITING.

20. THE CONTRACTOR IS RESPONSIBLE TO FIX, BACK TO THE ORIGINAL STATE, AT NO ADDITIONAL COST TO THE NCRTD, ANY STRUCTURE HE/SHE DAMAGES THROUGHOUT THE DURATION OF CONSTRUCTION.

21. GEOTECHNICAL COORDINATION
THE CONTRACTOR SHALL AT THE TIME OF EXCAVATION AND PRIOR TO ANY CONCRETE WORK: HAVE A GEOTECHNICAL ENGINEER DO A FIELD INSPECTION AND WRITTEN REPORT TO DETERMINE THAT THE ON SITE SOILS ARE NON-EXPANSIVE, CAPABLE OF BEARING 1500 POUNDS PER SQUARE FOOT AND SUITABLE FOR USE AS BACKFILL MATERIAL.

22. BORROW/FILL MATERIAL REQUIRED TO CONSTRUCT SIDEWALKS AND ADJACENT GRADING AREAS WILL BE MINIMAL AND SHALL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 608004 – CONCRETE SIDEWALK, 4".

INCIDENTAL ITEMS

#1. THE TRANSPORTATION OF SHELTER/TRASH RECEPTACLE FROM THE NCRTD YARD TO SITE AND INSTALLATION OF SHELTER/TRASH RECEPTACLE. – SEE GENERAL NOTE 13.

#2. CONTRACTOR UTILITY COORDINATION – SEE GENERAL NOTE 11.

#3. REPAIR OF ANY STRUCTURES DAMAGED DURING CONSTRUCTION – SEE GENERAL NOTE 20.

#4. PUBLIC AWARENESS PER GENERAL NOTE 9.

#5. REMOVALS – SEE GENERAL NOTES 4.

#6. PUBLIC ACCESS – SEE GENERAL NOTE 8.

#7. TEMPORARY BUS STOP DURING CONSTRUCTION – SEE GENERAL NOTE 14.

#8. GEOTECHNICAL COORDINATION – SEE GENERAL NOTE 21.

#9. CONSTRUCTION OF CONCRETE CUTOFF WALL – SEE SHEET 1-7, CONSTRUCTION NOTE G.

#10. CONCRETE AND PAINT FOR CONSTRUCTION OF BOLLARD – SEE SHEET 1-9.

#11. BORROW/FILL MATERIAL FOR SIDEWALKS – SEE GENERAL NOTE 22.

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
4/23/15

SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

GENERAL NOTES & INCIDENTAL ITEMS

SHT 1-6

WILSON & COMPANY

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:03 AM

ENVIRONMENTAL NOTES

1. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE PROVISIONS OF NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SECTION 107.14
2. IF BURIED ARCHAEOLOGICAL OR CULTURAL DEPOSITS ARE DISCOVERED DURING CONSTRUCTION, WORK SHALL CEASE AT THE AFFECTED AREA, AND THE NMDOT ENVIRONMENTAL DEVELOPMENT SECTION (RICK WESSEL AT 505-827-0428) WILL BE CONTACTED.
3. IN ORDER TO AVOID AREAS OF KNOWN SOIL CONTAMINATION, TRANSIT STOPS WILL BE CONSTRUCTED AT THE LOCATIONS SHOWN IN THESE PLANS.

ENVIRONMENTAL PROGRAM MANAGER

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:04 AM

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 4/22/15 REGISTERED PROFESSIONAL ENGINEER

SERVING NORTH CENTRAL NEW MEXICO

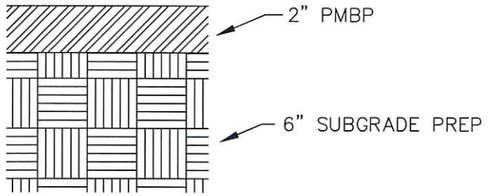
NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

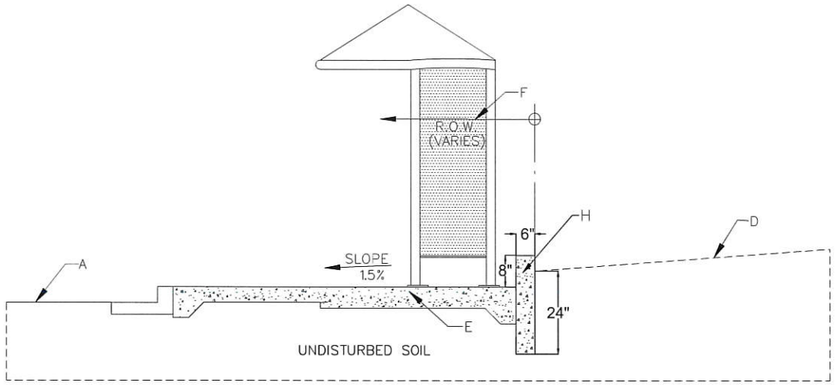
TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

ENVIRONMENTAL COMMITMENTS

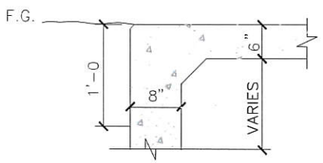
SHT 1-6A



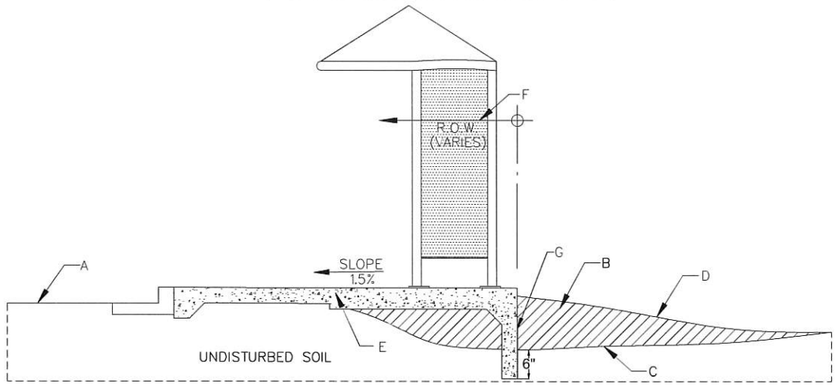
MISCELLANEOUS PAVING DETAIL



TYPICAL CUT DETAIL



TURN DOWN DETAIL



TYPICAL FILL DETAIL

CONSTRUCTION NOTES:

A. EXISTING STREET.

B. FILL AND COMPACT TO DRAIN AWAY FROM SHELTER AS REQUIRED BY NMDOT STANDARDS.

C. EXISTING GRADE. (VARIES)

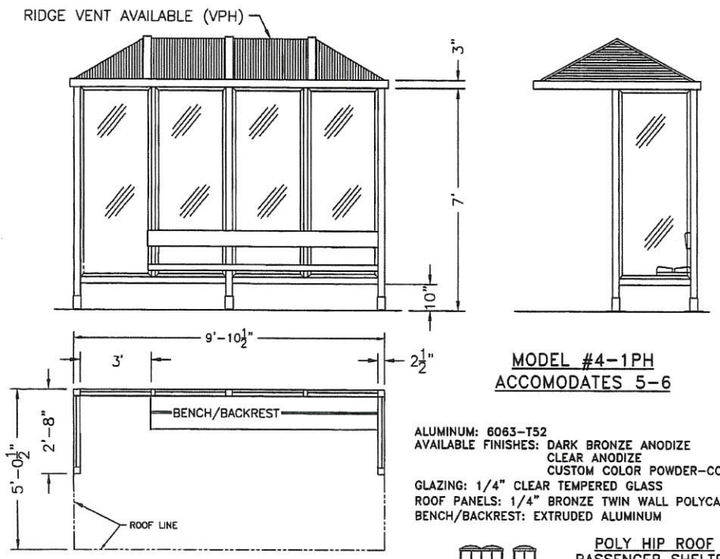
D. FINISHED GRADE. (VARIES) (NOTE: EXISTING DRAINAGE PATTERNS SHALL BE MAINTAINED).

E. NEW CONCRETE SLAB.

F. SHELTER TO BE CONSTRUCTED WITHIN R.O.W.

G. DEPTH OF CUT OFF WALL WILL BE DETERMINED BY THE PROJECT MANAGER TO CUT OFF FILL EXPOSURE. COST WILL BE INCIDENTAL TO ITEM – 608006 CONCRETE SIDEWALK. THIS CUTOFF WALL TO BE INSTALLED ON TRANSIT STOPS #82, #83, #84, #85, #86, #99, AND #101.

H. TRANSIT BUS STOP #81 CONNECT CONCRETE CUTOFF WALL AT BACK OF BUS STOP TO ADDRESS FILL SLOPE. COST INCIDENTAL TO ITEM – 608006 CONCRETE SIDEWALK.



RECCOMENDED PAD SIZE–12'–0" X 7'–0" X 6" THICK MINIMUM

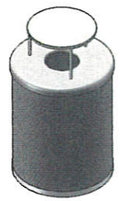
MODEL #4–1PH
ACCOMODATES 5–6

ALUMINUM: 6063–T52
AVAILABLE FINISHES: DARK BRONZE ANODIZE
CLEAR ANODIZE
CUSTOM COLOR POWDER–COAT
GLAZING: 1/4" CLEAR TEMPERED GLASS
ROOF PANELS: 1/4" BRONZE TWIN WALL POLYCARBONATE
BENCH/BACKREST: EXTRUDED ALUMINUM

handi-hut inc. PH: 800–603–8635

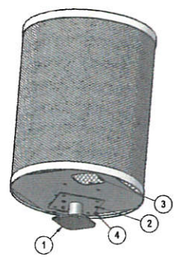
POLY HIP ROOF
PASSENGER SHELTER

TYPICAL SHELTER DETAIL



RBR-32-08

Receptacle Dimensions: Center opening shall be 8" inside diameter. The overall dimensions shall be 24" diameter x 11" high.



SM KIT

SURFACE MOUNT FOR TRASH RECEPTACLE

Frame: 2-3/8" O.D. x 12 gauge pre-galvanized structural steel tubing. Surface mounting points are 3 gauge 8" x 8" steel flat bar with four holes. Receptacle mounting points are 3 gauge 6" x 6" steel flat bar with 4 holes. All electrically MIG welded.

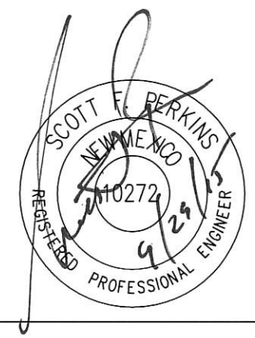
Frame Coating: Electrostatic powder coated application oven cured.

Hardware: All stainless steel hardware fasteners. (Included).

Dimensions: Overall dimension is 3-3/4" x 8" x 8".

ITEM NO.	PartNo	DESCRIPTION	QTY
1	P-01-05-0053	receptacle surface mount	1
2	33-02-0007	5/16" Flat Washer (SS)	8
3	33-05-0029	5/16" x 1" Machine Bolt (SS)	4
4	33-03-0012	5/16" Kep Nut (SS)	4

TRASH RECEPTACLE DETAIL



RTD
SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

MISC. DETAILS

SHT 1-7

WILSON & COMPANY

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:04 AM

SUMMARY OF QUANTITIES

ITEM SPECIFICATIONS				
NUMBER	DESCRIPTION	UNIT	ESTIMATE	FINAL
417000	MISCELLANEOUS PAVING	SQ.YD.	60	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1	
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	155	
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	50	
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	1	
621000	MOBILIZATION	L.S.	1	
667500	BOLLARD	EACH	8	
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	40	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	L.S.	1	

LIST OF REMOVALS

TRANSIT STOP #	REMOVALS
81	LANDSCAPE GRAVEL
	EXISTING TRANSIT STOP SIGN
	EXISTING SIDEWALK
82	EXISTING WOOD POST
	EXISTING SHRUBS
83	EXISTING SIDEWALK
84	EXISTING TRAFFIC SIGNAL BOX LID AND CONCRETE PAD
	LANDSCAPE GRAVEL AND FABRIC
85	EXISTING SIDEWALK
	EXISTING PARKING LOT ASPHALT
86	EXISTING SIDEWALK
99	EXISTING SIDEWALK
	EXISTING CURB WALL
	EXISTING PARKING LOT ASPHALT
101	LANDSCAPE GRAVEL
	EXISTING BUSHES
102	NONE

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:04 AM

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 9/29/15

RTD SERVING NORTH CENTRAL NEW MEXICO

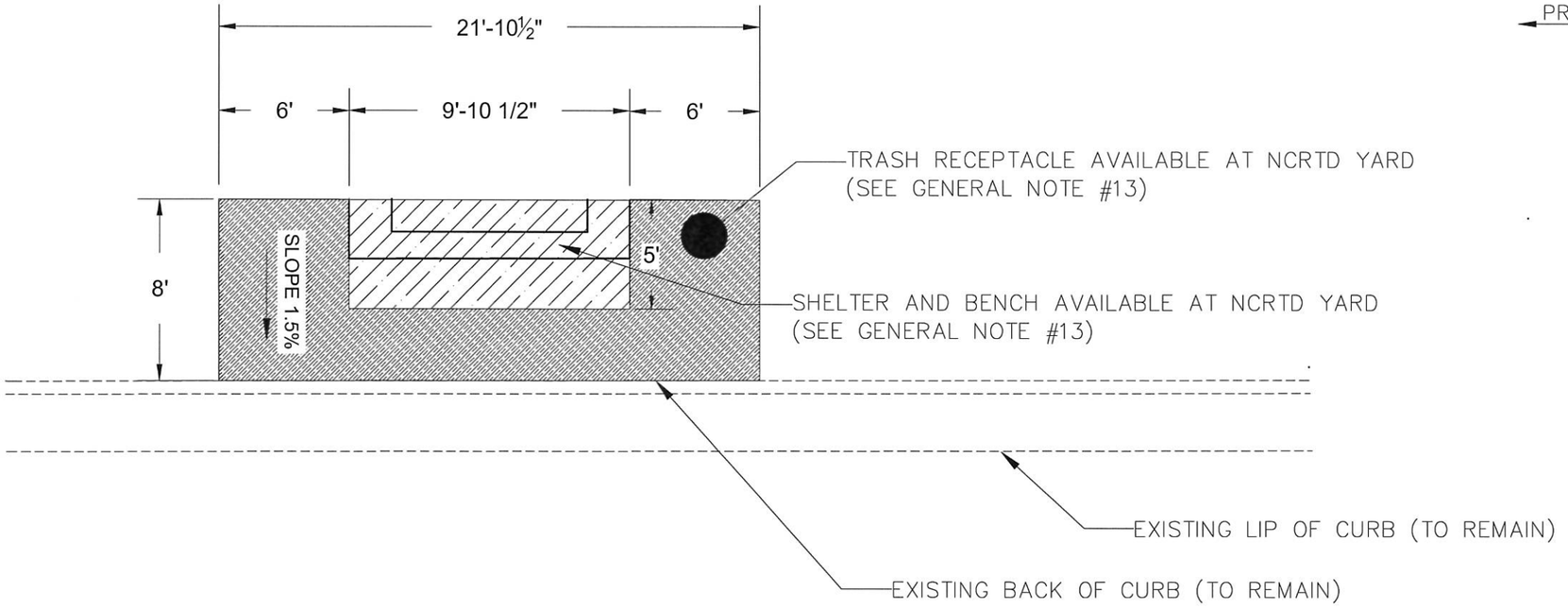
NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

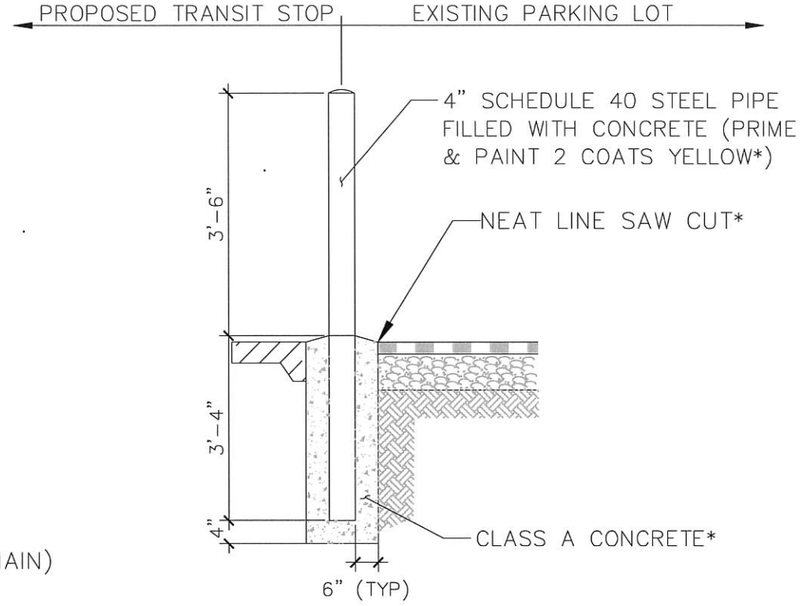
TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

SUMMARY OF QUANTITIES &
LIST OF REMOVALS

SHT 1-8



PLAN VIEW - BUS SHELTER / STOP DETAIL



BOLLARD DETAIL

*INCIDENTAL TO BID ITEM 667500 - BOLLARD

* *

SIDEWALK TRANSITION DETAIL

*BOTH SIDES OF BUS SHELTER / STOP DETAIL

LEGEND

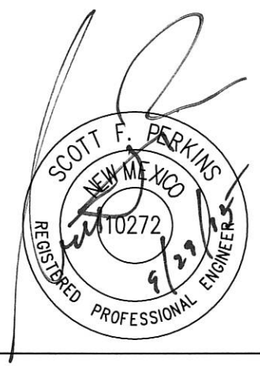
4" CONCRETE SIDEWALK

6" CONCRETE SIDEWALK

EXISTING TRANSIT STOP CROSS-SLOPE AND WIDTH INFORMATION

TRANSIT STOP #	SOUTH END EXISTING SW*	NORTH END EXISTING SW*	EXISTING SW WIDTH
81	1.60%	1.60%	4'
82	-	-	-
83	3.30%	3.00%	4.5'
84	-	-	5'
85	1.60%	2.20%	5'
86	2.60%	1.70%	4'
99	2.60%	4.20%	5'
101	-	-	5'
102	-	-	-

*Existing sidewalk slopes were measured with a 4' smart level at approximate locations



NO.	DESCRIPTION		
4			
3			
2			
1			

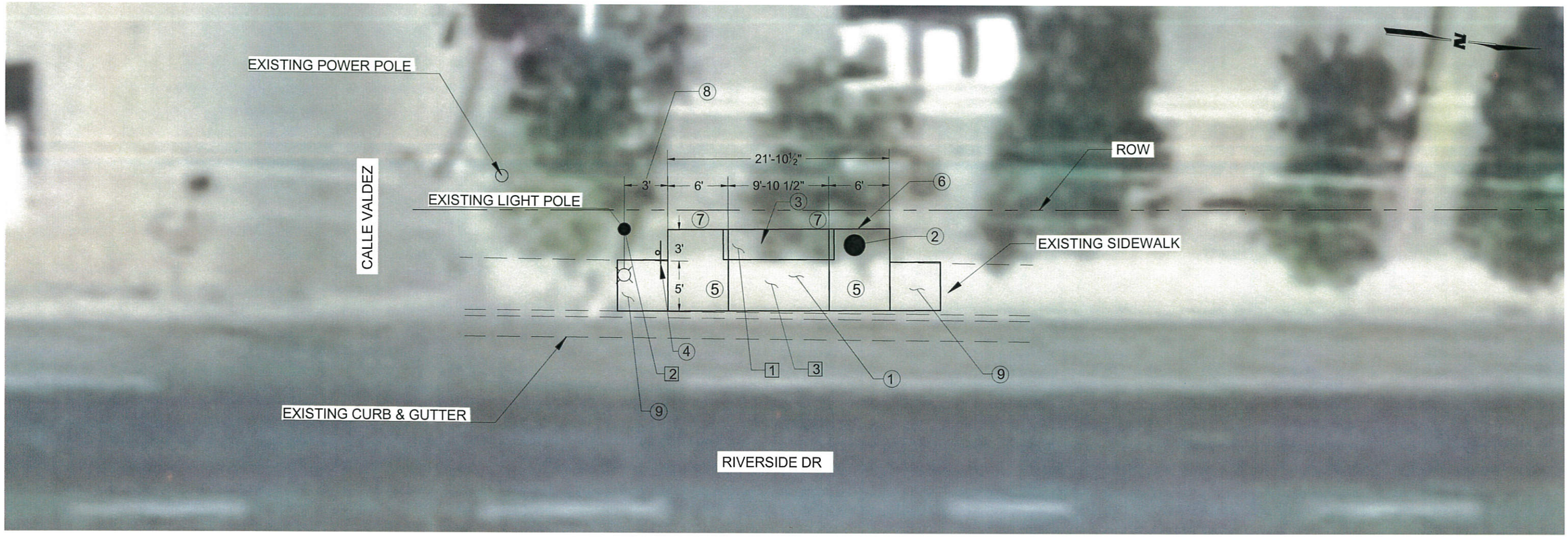
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

PLAN VIEW - BUS SHELTER/STOP DETAIL

SHT 1-9

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\BUS_STOP_PLAN.DWG 9/29/2015 9:04 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. INSTALL BUS STOP SIGN (PROVIDED BY NCRTD)
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER CUT SECTION DETAIL ON SHEET 1-7
7. USE EXISTING LANDSCAPE ROCK TO BLEND INTO SITE
8. CONSTRUCT CONCRETE PAD 3' NORTH OF EXISTING LIGHT POLE
9. CONSTRUCT SIDEWALK TRANSITION FROM END OF PROPOSED TRANSIT STOP TO EXISTING SIDEWALK PER DETAIL ON SHEET 1-9

REMOVAL NOTES

1. REMOVE & RELOCATE EXISTING LANDSCAPE GRAVEL APPROXIMATELY 88 SF
2. REMOVE EXISTING TRANSIT STOP SIGN
3. REMOVE EXISTING SIDEWALK APPROXIMATELY 88 SF

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
4/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #81

SHT 3-1

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:05 AM

FACING SOUTHWEST DIRECTION

FACING SOUTH DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #81			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	19.56
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	10

*FOR GENERAL CONTRACTOR INFORMATION ONLY

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

TRANSIT BUS STOP #81

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 9/29/15 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

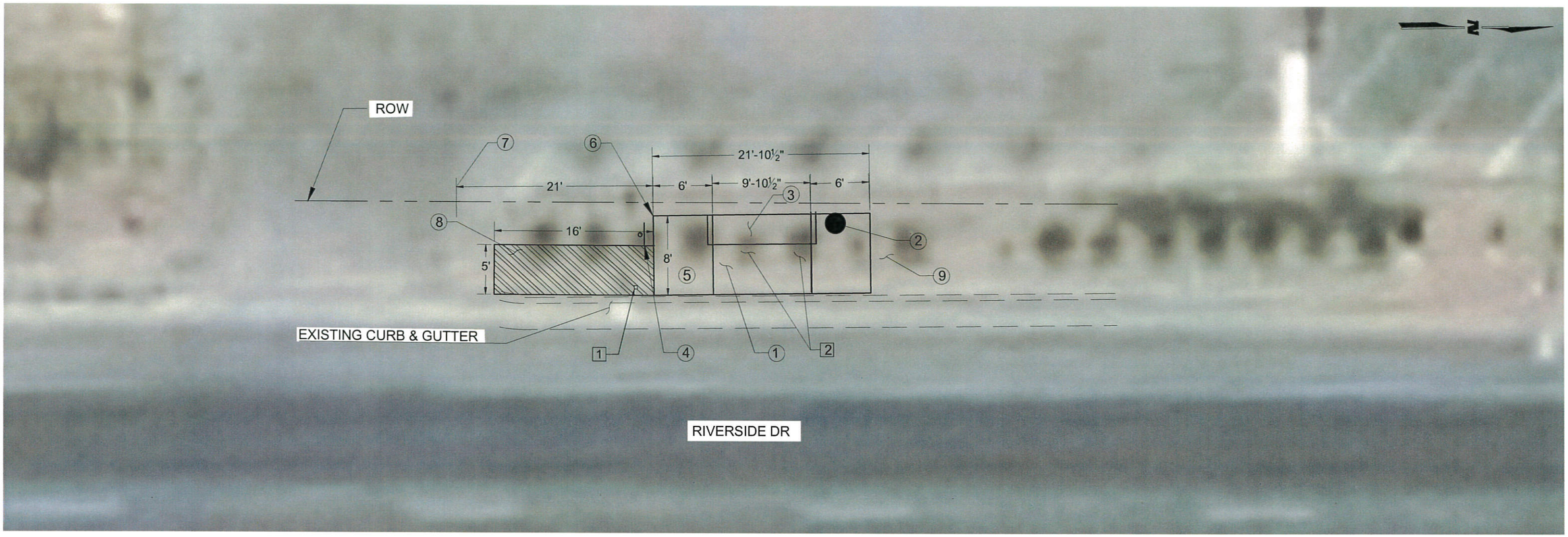
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #81

SHT 3-2

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG9/29/2015 9:05 AM



CONSTRUCTION NOTES

(1) INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9

(2) INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7

(3) INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7

(4) EXISTING BUS STOP SIGN TO BE REMOVED AND RESET

(5) 1.5% SLOPE TOWARD ROADWAY

(6) CONSTRUCT CONCRETE CUTOFF WALL PER FILL SECTION DETAIL ON SHEET 1-7, IF NECESSARY

(7) CONSTRUCT CONCRETE PAD 21' NORTH OF EDGE OF ASPHALT ON DRIVEWAY

(8) CONSTRUCT 5 FOOT ASPHALT SIDEWALK FROM NEW CONCRETE PAD TO DRIVEWAY

(9) USE EXISTING DIRT TO TRANSITION FROM CONCRETE PAD TO EXISTING ACCESS

REMOVAL NOTES

[1] REMOVE EXISTING WOOD POST (1)

[2] REMOVE EXISTING SHRUBS, APPROXIMATELY 7

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
4/29/15

RTD
SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #82

SHT 3-3

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:05 AM

FACING WEST DIRECTION

TRANSIT BUS STOP #82			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	8.89
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	14.00
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	0

*FOR GENERAL CONTRACTOR INFORMATION ONLY

FACING SOUTH DIRECTION

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

FACING NORTH DIRECTION

TRANSIT BUS STOP #82

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
4/21/15
REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

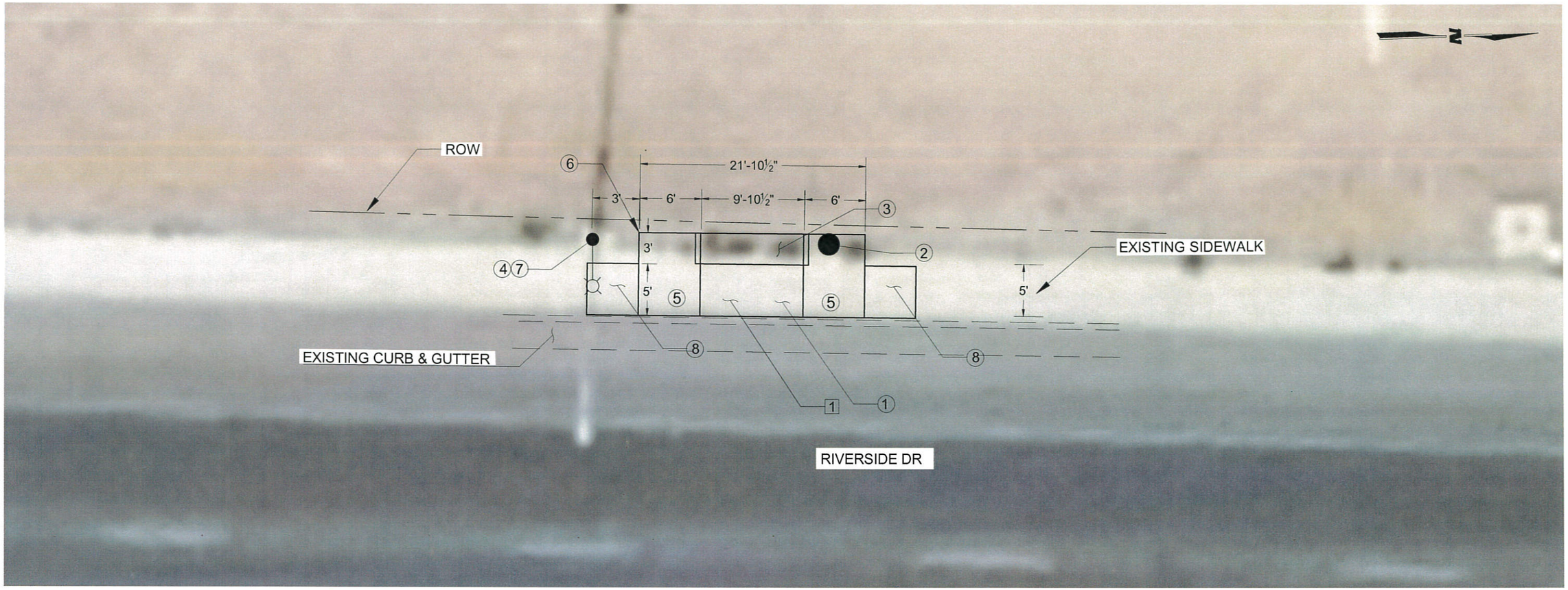
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #82

SHT 3-4

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG 9/29/2015 9:06 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. EXISTING BUS STOP SIGN TO REMAIN IN PLACE
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER TYPICAL FILL SECTION DETAIL ON SHEET 1-7
7. CONSTRUCT CONCRETE PAD 3' NORTH OF EXISTING LIGHT POLE
8. CONSTRUCT SIDEWALK TRANSITION FROM END OF PROPOSED CONCRETE PAD TO EXISTING SIDEWALK PER DETAIL ON SHEET 1-9

REMOVAL NOTES

[1] REMOVE EXISTING 4' SIDEWALK APPROXIMATELY 110 SF

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 9/29/15 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #83

SHT 3-5

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:06 AM

FACING SOUTH DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #83			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	19.56
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	0

*FOR GENERAL CONTRACTOR INFORMATION ONLY

FACING WEST DIRECTION

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

TRANSIT BUS STOP #83

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

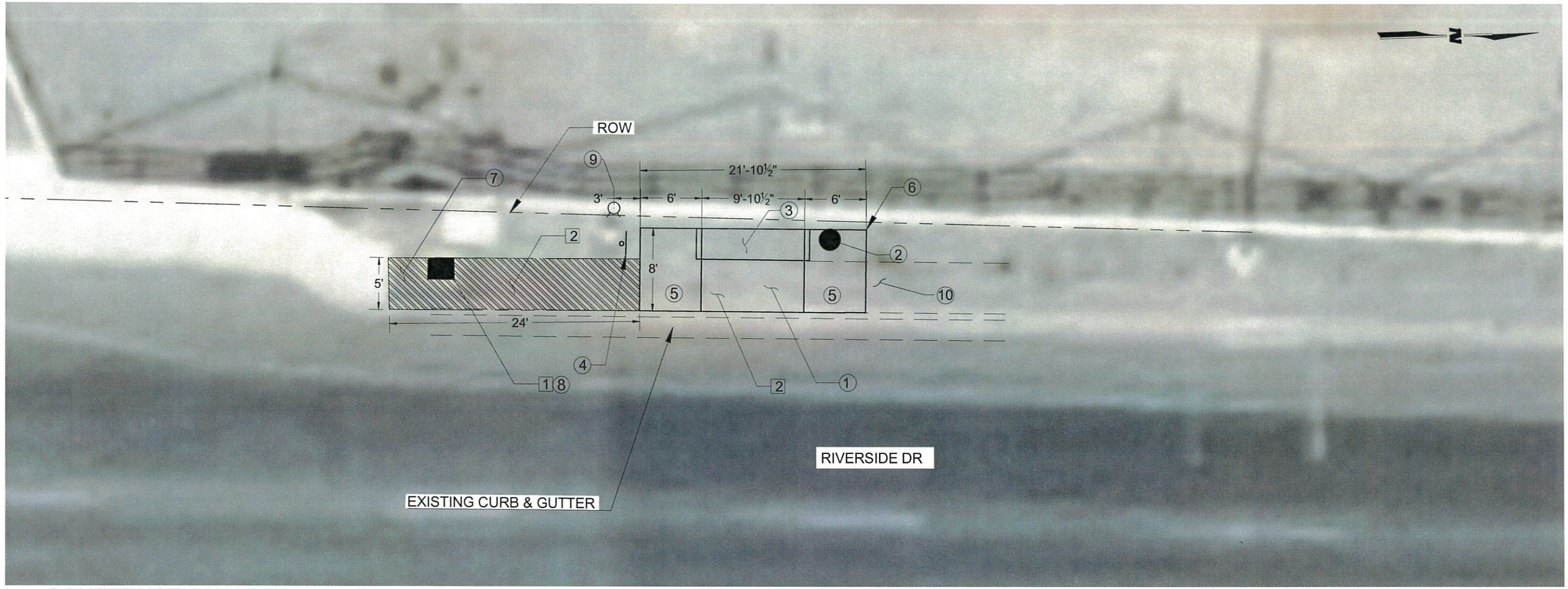
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #83

SHT 3-6

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAY\DESIGN\WORK\C-BUS-PHOTOS.DWG 9/29/2015 9:07 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. INSTALL BUS STOP SIGN (PROVIDED BY NCRTD)
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER FILL SECTION DETAIL ON SHEET 1-7
7. CONSTRUCT ASPHALT SIDEWALK FROM SHELTER PAD TO EXISTING SIDEWALK
8. INSTALL SIGNAL BOX LID AND COLLAR FLUSH WITH NEW ASPHALT PER NMDOT STND. 710S-01-1/1 (INCIDENTAL TO THE INSTALLATION OF THE ITEM 417000 MISCELLANEOUS PAVING)
9. CONSTRUCT CONCRETE PAD 3' NORTH OF EXISTING FIRE HYDRANT
10. USE EXISTING LANDSCAPE GRAVEL TO TRANSITION FROM CONCRETE PAD TO EXISTING ACCESS

REMOVAL NOTES

[1] REMOVE EXISTING TRAFFIC SIGNAL BOX LID AND CONCRETE COLLAR

[2] REMOVE EXISTING LANDSCAPE GRAVEL AND FABRIC APPROXIMATELY 296 SF

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
9/29/15
REGISTERED PROFESSIONAL ENGINEER

RTD
SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

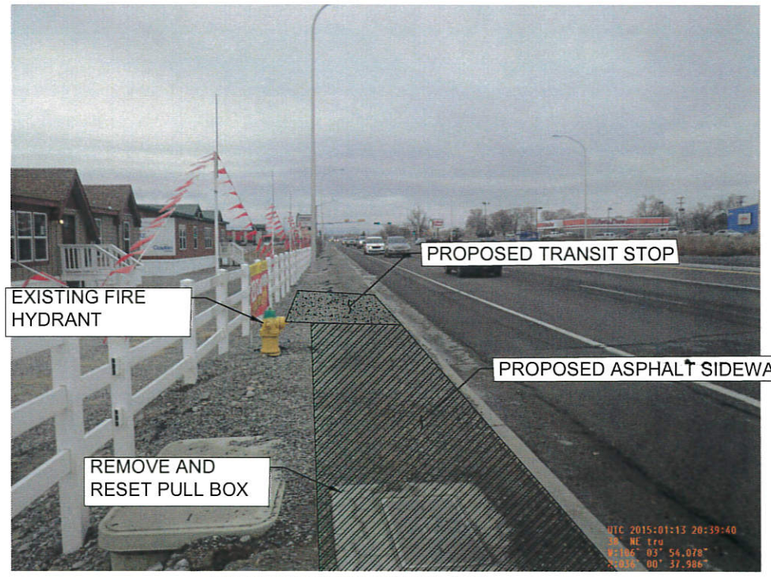
TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #84

SHT 3-7

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:07 AM

FACING SOUTH DIRECTION



FACING NORTH DIRECTION

TRANSIT BUS STOP #84			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	13.33
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	14.00
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	10

*FOR GENERAL CONTRACTOR INFORMATION ONLY

FACING NORTH DIRECTION

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

TRANSIT BUS STOP #84

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 4/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

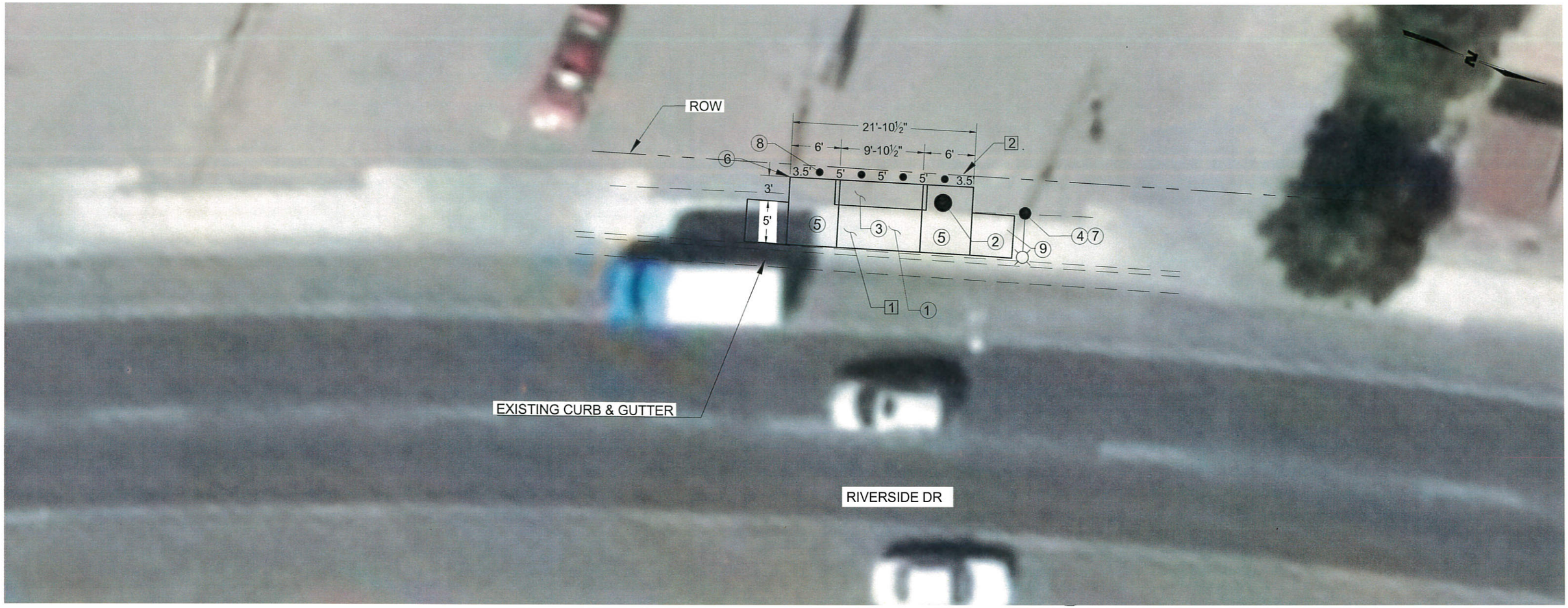
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #84

SHT 3-8

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG 9/29/2015 9:08 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. EXISTING BUS STOP SIGN TO REMAIN IN PLACE
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER FILL SECTION DETAIL ON SHEET 1-7
7. CONSTRUCT CONCRETE PAD 4' SOUTH OF EXISTING LIGHT POLE
8. INSTALL 4 BOLLARDS PER DETAIL ON SHEET 1-9
9. CONSTRUCT SIDEWALK TRANSITION FROM END OF PROPOSED TRANSIT STOP TO EXISTING SIDEWALK PER DETAIL ON SHEET 1-9

REMOVAL NOTES

[1] REMOVE EXISTING SIDEWALK APPROXIMATELY 110 SF

[2] SAWCUT AND REMOVE EXISTING ASPHALT PARKING LOT APPROXIMATELY 66 SF

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
4/29/15
REGISTERED PROFESSIONAL ENGINEER

RTD
SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #85

SHT 3-9

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:08 AM

FACING WEST DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #85			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	19.56
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	4.00
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	0

*FOR GENERAL CONTRACTOR INFORMATION ONLY

FACING SOUTH DIRECTION

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

TRANSIT BUS STOP #85

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 9/29/15 REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

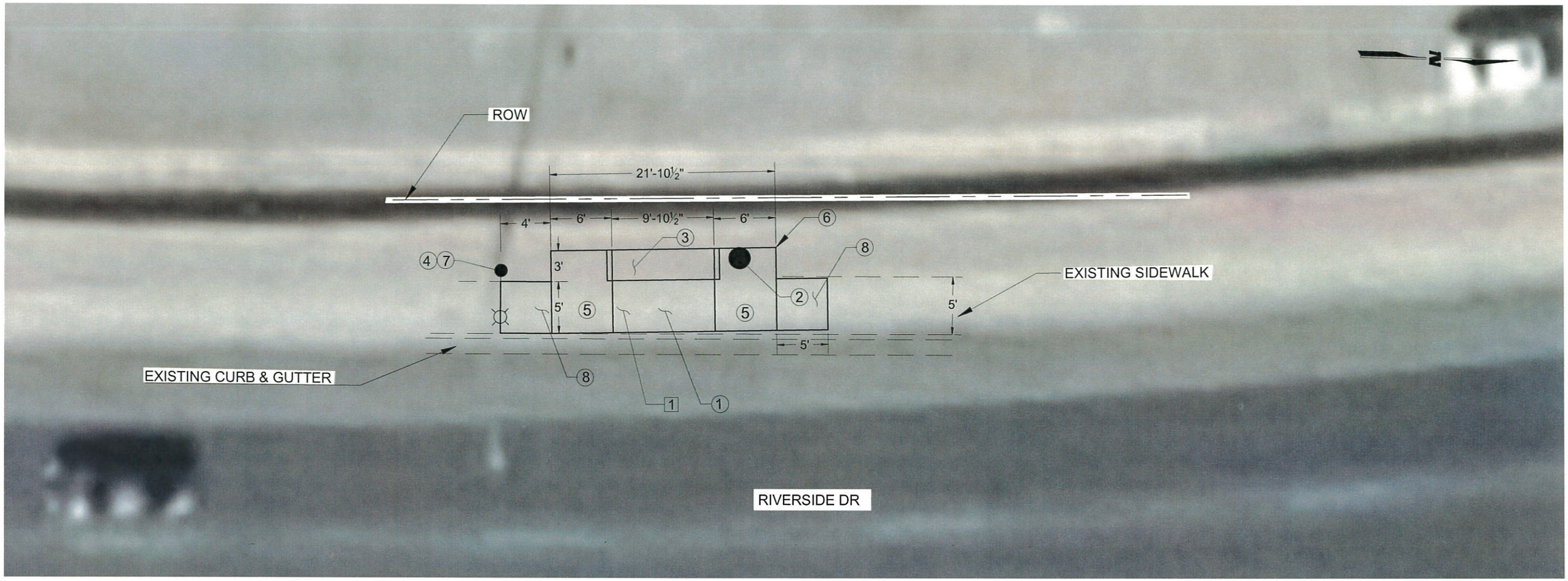
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #85

SHT 3-10

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG 9/29/2015 9:09 AM



CONSTRUCTION NOTES

(1) INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9

(2) INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7

(3) INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7

(4) EXISTING BUS STOP SIGN TO REMAIN IN PLACE

(5) 1.5% SLOPE TOWARD ROADWAY

(6) CONSTRUCT CONCRETE CUTOFF WALL PER FILL DETAIL ON SHEET 1-7, IF NEEDED

(7) CONSTRUCT CONCRETE PAD 4' NORTH OF EXISTING LIGHT POLE

(8) CONSTRUCT SIDEWALK TRANSITION FROM END OF PROPOSED TRANSIT STOP TO EXISTING SIDEWALK PER DETAIL ON SHEET 1-9

REMOVAL NOTES

[1] REMOVE EXISTING SIDEWALK APPROXIMATELY 110 SF

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
4/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #86

SHT 3-11

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAY\DESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:09 AM

FACING SOUTH DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #86			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	19.56
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	0

*FOR GENERAL CONTRACTOR INFORMATION ONLY

FACING WEST DIRECTION

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

RTD
SERVING NORTH CENTRAL NEW MEXICO

TRANSIT BUS STOP #86

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
9/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

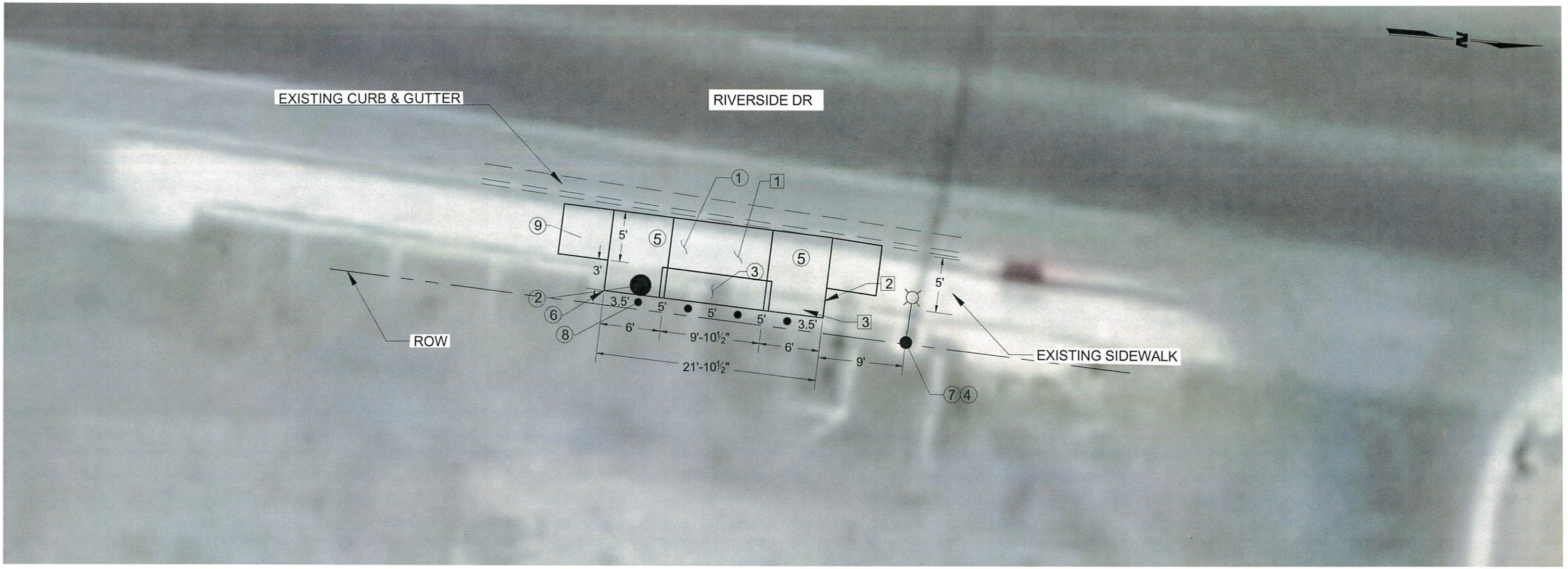
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #86

SHT 3-12

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG 9/29/2015 9:10 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. EXISTING BUS STOP SIGN TO REMAIN IN PLACE
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER FILL SECTION DETAIL ON SHEET 1-7, IF NEEDED
7. CONSTRUCT CONCRETE PAD 9' SOUTH OF EXISTING LIGHT POLE
8. INSTALL 4 BOLLARDS PER DETAIL ON SHEET 1-9
9. CONSTRUCT SIDEWALK TRANSITION FROM END OF PROPOSED TRANSIT STOP TO EXISTING SIDEWALK PER DETAIL ON SHEET 1-9

REMOVAL NOTES

[1] REMOVE EXISTING SIDEWALK APPROXIMATELY 110 SF

[2] REMOVE EXISTING HEADER CURB APPROXIMATELY 25 LIN FT

[3] SAW CUT AND REMOVE EXISTING PARKING LOT ASPHALT APPROXIMATELY 66 SF

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
6/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #99

SHT 3-13

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:10 AM

PROPOSED TRANSIT STOP

FACING EAST DIRECTION

FACING SOUTH DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #99			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	19.56
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	4.00
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	0

*FOR GENERAL CONTRACTOR INFORMATION ONLY

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

TRANSIT BUS STOP #99

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
4/27/15

NO.	DESCRIPTION		
4			
3			
2			
1			

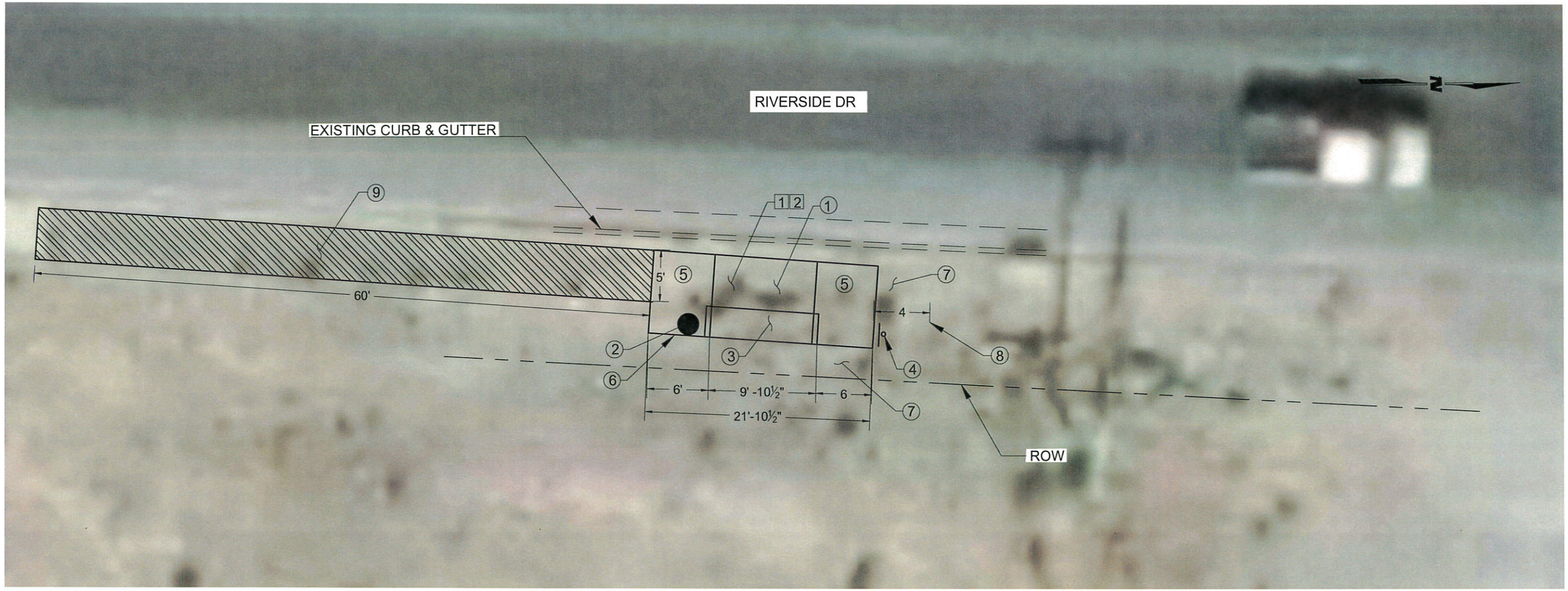
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #99

SHT 3-14

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG9/29/2015 9:11 AM



CONSTRUCTION NOTES

1. INSTALL CONCRETE PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL SHEET SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. INSTALL BUS STOP SIGN (PROVIDED BY NCRTD)
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE CUTOFF WALL PER TYPICAL CUT SECTION ON SHEET 1-7 IF NEEDED
7. USE EXISTING LANDSCAPE GRAVEL TO TRANSITION FROM CONCRETE PAD TO EXISTING ACCESS
8. CONSTRUCT CONCRETE PAD 4' SOUTH OF EXISTING CONCRETE WALL
9. CONSTRUCT ASPHALT PATH FROM NEW CONCRETE PAD TO EXISTING SIDEWALK

REMOVAL NOTES

[1] REMOVE LANDSCAPE GRAVEL, APPROXIMATELY 476 SF

[2] REMOVE EXISTING BUSHES

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
REGISTERED PROFESSIONAL ENGINEER
9/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #101

SHT 3-15

M:\TRN\14-100-139-00\CN9000290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG9/29/2015 9:11 AM

FACING EAST DIRECTION

TRANSIT BUS STOP #101			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	33
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	14.00
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	10

*FOR GENERAL CONTRACTOR INFORMATION ONLY

LEGEND

- PROPOSED CONCRETE
- PROPOSED ASPHALT
- EXISTING LIGHT POLE
- TRASH RECEPTACLE
- SIGN WITH POST

FACING SOUTH DIRECTION

FACING NORTH DIRECTION

TRANSIT BUS STOP #101

WILSON & COMPANY

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 9/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

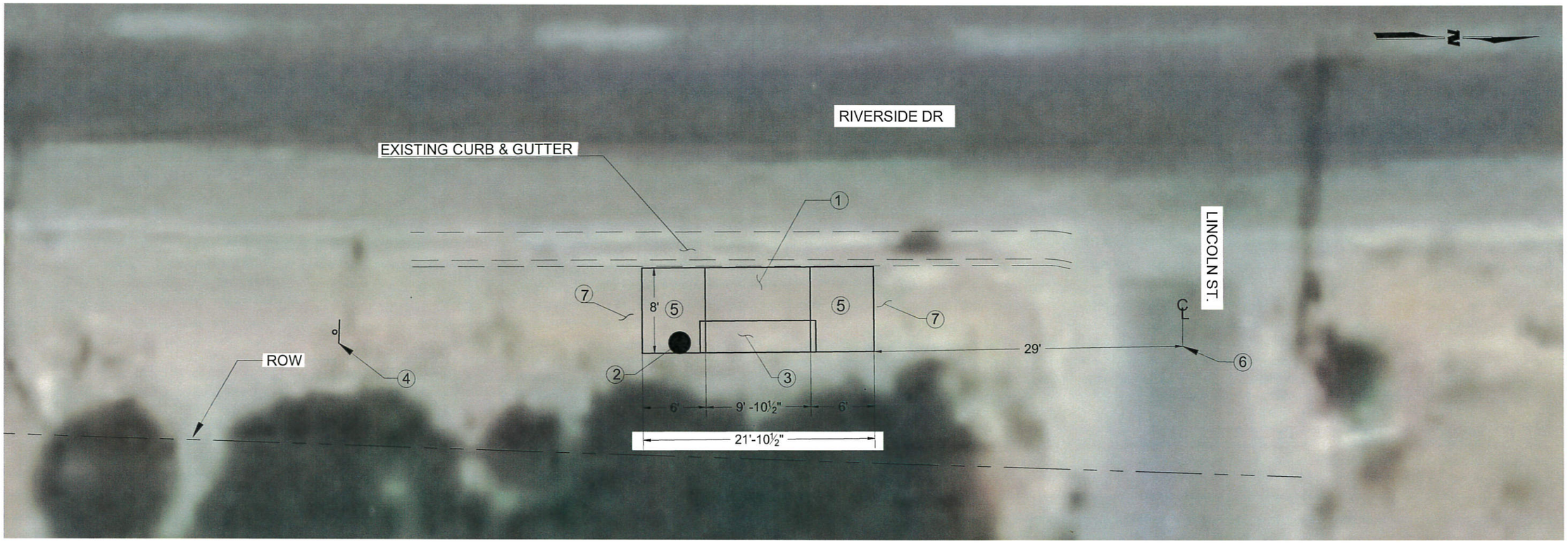
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #101

SHT 3-16

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG9/29/2015 9:11 AM



CONSTRUCTION NOTES

1. INSTALL PAD PER DETAIL ON SHEET 1-9
2. INSTALL TRASH RECEPTACLE PER DETAIL ON SHEET 1-7
3. INSTALL BUS SHELTER WITH BENCH PER DETAIL ON SHEET 1-7
4. REMOVE AND RELOCATE EXISTING BUS STOP SIGN
5. 1.5% SLOPE TOWARD ROADWAY
6. CONSTRUCT CONCRETE PAD 29' SOUTH OF CENTERLINE OF LINCOLN ST.
7. USE EXISTING DIRT TO TRANSITION TO NEW SLOPE

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
9/29/15
REGISTERED PROFESSIONAL ENGINEER

RTD
SERVING NORTH CENTRAL NEW MEXICO

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #102

SHT 3-17

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRANSIT_STOPS_PLAN.DWG 9/29/2015 9:12 AM

FACING SOUTH DIRECTION

REMOVE AND RELOCATE
EXISTING SIGN

FACING NORTH DIRECTION

TRANSIT BUS STOP #102

TRANSIT BUS STOP #102			
ITEM NO.	DESCRIPTION	UNIT	QTY
417000	MISCELLANEOUS PAVING	SQ.YD.	0
608004	CONCRETE SIDEWALK, 4"	SQ.YD.	14.00
608006	CONCRETE SIDEWALK, 6"	SQ.YD.	5.56
667500	BOLLARD	EACH	0
701100	STEEL POST AND BASE POST FOR ALUMINUM PANEL SIGNS	LIN.FT.	10

*FOR GENERAL CONTRACTOR INFORMATION ONLY

LEGEND

PROPOSED CONCRETE

PROPOSED ASPHALT

EXISTING LIGHT POLE

TRASH RECEPTACLE

SIGN WITH POST

WILSON & COMPANY

SCOTT F. PERKINS
NEW MEXICO
10272
9/29/15
REGISTERED PROFESSIONAL ENGINEER

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN
IMPROVEMENT PHASE I

ADA TRANSIT BUS STOP #102

SHT 3-18

M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\C-BUS-PHOTOS.DWG9/29/2015 9:12 AM

TRAFFIC CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE PROJECT MANAGER AT LEAST 3 BUSINESS DAYS PRIOR TO COMMENCEMENT OF WORK.

2. A DAILY TRAFFIC CONTROL DIARY SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS DIARY SHALL BE SUBMITTED TO THE PROJECT MANAGER UPON COMPLETION.

3. CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO THE PROJECT MANAGER.

4. CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE PROJECT MANAGER DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.

5. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES.

6. TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESS. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

7. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY THE PROJECT MANAGER.

8. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE, AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF THE PROJECT MANAGER PER THE LATEST EDITION OF THE MUTCD.

9. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUCTD, LATEST EDITION.

10. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

11. ALL CHANNELIZATION DEVICES IN ALL TAPERS, AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT.

12. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF THE PROJECT MANAGER.

13. CONTRACTOR SHALL PROVIDE AND MAINTAIN SAFE AND ADEQUATE PEDESTRIAN AND BICYCLE ROUTES AROUND THE CONSTRUCTION AREA.

14. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

15. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR COORDINATE WITH ALL INVOLVED AS NEEDED.

TAPER REQUIREMENT

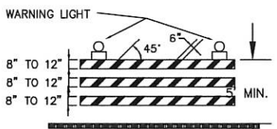
SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET) 10' LANE	11' LANE	12' LANE	MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED ADVANCE WARNING SIGN MINIMUM SPACING

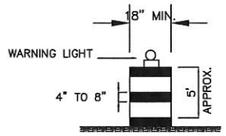
ROAD TYPE	DISTANCE BETWEEN SIGNS** A	B	C
URBAN (LOW SPEED)*	100 FT	100 FT	100 FT
URBAN (HIGH SPEED)*	350 FT	350 FT	350 FT
RURAL	500 FT	500 FT	500 FT
EXPRESSWAY/ FREEWAY	1,000 FT	1,500 FT	2,640 FT

* LOW SPEED – 40MPH OR LESS, HIGH SPEED – 45MPH OR GREATER

** THE COLUMN HEADINGS A, B, AND C ARE THE DIMENSIONS SHOWN IN FIGURES 6H-1 THROUGH 6H-46 IN THE MUTCD. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE "FIRST SIGN" IS THE SIGN CLOSEST TO THE TTC ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TTC ZONE.)



TYPE III BARRICADE



DRUM

TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING

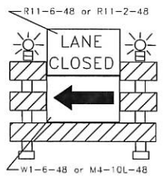
SUGGESTED CONSTRUCTION PHASING

PHASE 1	REMOVALS, GRADING, CONCRETE FORMING FOR TRANSIT STOPS 81, 83, 85
	POUR CONCRETE FOR TRANSIT STOPS 81, 83, 85
	ALLOW TIME FOR CURING
	PLACE SHELTERS/TRASH RECEPTACLES ON TRANIST STOPS 81, 83, 85
PHASE 2	REMOVALS, GRADING, CONCRETE FORMING FOR TRANSIT STOPS 99, 101, 102
	POUR CONCRETE FOR TRANSIT STOPS 99, 101, 102
	ALLOW TIME FOR CURING
	PLACE SHELTERS/TRASH RECEPTACLES ON TRANIST STOPS 99, 101, 102
PHASE 3	REMOVALS, GRADING, CONCRETE FORMING FOR TRANSIT STOPS 82, 84, 86
	POUR CONCRETE FOR TRANSIT STOPS 82, 84, 86
	ALLOW TIME FOR CURING
	PLACE SHELTERS/TRASH RECEPTACLES ON TRANIST STOPS 82, 84, 86

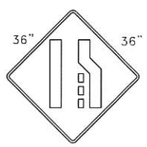
*FOR GENERAL CONTRACTOR INFORMATION ONLY

W20-1a-36-1000

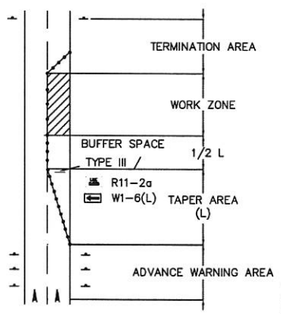
W20-5R-36-750



B-1R-96



W4-2R-36



STOPPING SIGHT DISTANCE (L) AS A FUNCTION OF SPEED

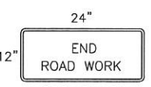
SPEED*	DISTANCE (L)
20 MPH	115 FT
25 MPH	155 FT
30 MPH	200 FT
35 MPH	250 FT
40 MPH	305 FT
45 MPH	360 FT
50 MPH	425 FT
55 MPH	495 FT
60 MPH	570 FT
65 MPH	645 FT
70 MPH	730 FT
75 MPH	820 FT

* POSTED SPEED, OFF-PEAK 85TH PERCENTILE SPEED PRIOR TO WORK STARTING. OR THE ANTICIPATED OPERATING SPEED

LEGEND

- WORK AREA
- BARRICADE – TYPE I, TYPE II, OR TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING
- BARRICADE – TYPE III
- X VERTICAL PANEL
- WARNING SIGN
- D DISTANCE BETWEEN SIGNS – A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- S SPACING BETWEEN BARRICADES– A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- L TAPER LENGTH – SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



G20-2a-24

W20-1

R9-11R-24

R9-11L-24

WILSON & COMPANY

NO.	DESCRIPTION		
4			
3			
2			
1			

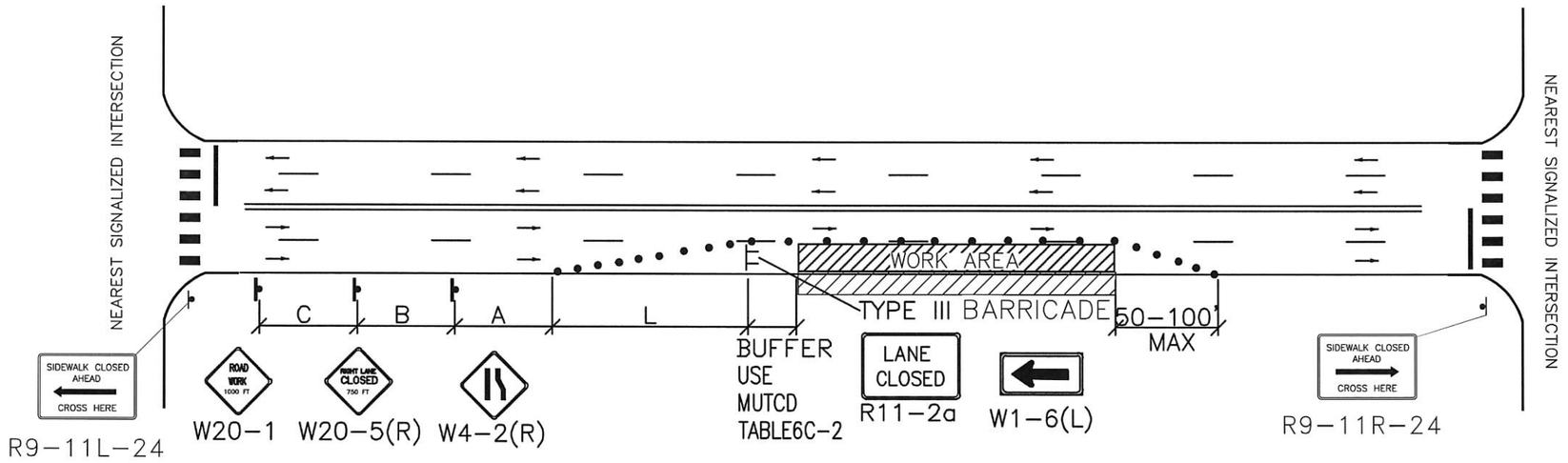
REVISION (OR CHANGE NOTICES)

TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)

SHT 7-1

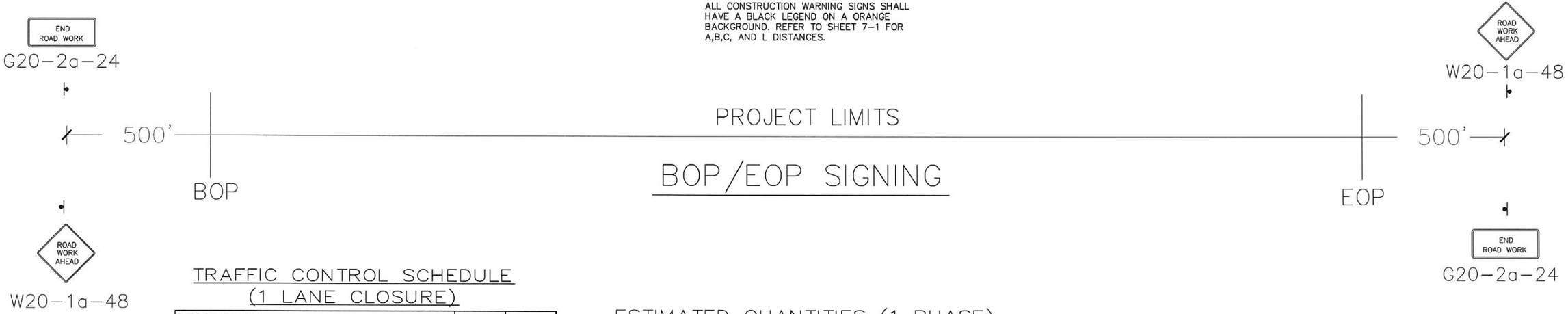
M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRAFFIC_CONTROL&SIGNING.DWG9/29/2015 9:13 AM



TYPICAL RIGHT LANE CLOSURE

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND. REFER TO SHEET 7–1 FOR A,B,C, AND L DISTANCES.



BOP/EOP SIGNING

TRAFFIC CONTROL SCHEDULE (1 LANE CLOSURE)

DESCRIPTION	UNIT	QTY
PANEL SIGNS G20-2a-24 (48"X24")*	SF	16
PANEL SIGNS R9-11R-24 (24"X18")	SF	3
PANEL SIGNS R9-11L-24 (24"X18")	SF	3
PANEL SIGNS R11-2a (48"X30")	SF	10
PANEL SIGNS W1-6 (48"X24")	SF	8
PANEL SIGNS W4-2(R) (36"X36")	SF	9
PANEL SIGNS W20-1 (36"X36")	SF	9
PANEL SIGNS W20-1a-48 (48"X48")*	SF	32
PANEL SIGNS W20-5(R) (36"X36")	SF	9
TOTALS		
CONSTRUCTION SIGNING*	SF	99
CHANNELIZATION TYPE DEVICE TYPE "H" DRUM	EACH	15
BARACDE, TYPE III - 8'	EACH	1
PORTABLE SIGN SUPPORT*	EACH	11

FOR GENERAL CONTRACTOR INFORMATION ONLY
*INCLUDES BOP/EOP SIGNAGE (1 SETUP ONLY)

ESTIMATED QUANTITIES (1 PHASE)

ITEM	DESCRIPTION	UNIT	QTY
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	1
-	CONSTRUCTION SIGNING*	SF	201
-	CHANNELIZATION DEVICE TYPE "H" DRUM	EACH	45
-	BARACADE, TYPE III - 8'	EACH	3
-	PORTABLE SIGN SUPPORT*	EACH	25

FOR GENERAL CONTRACTOR INFORMATION ONLY
*INCLUDES BOP/EOP SIGNAGE (1 SETUP ONLY)

SCOTT F. PERKINS NEW MEXICO 10272 REGISTERED PROFESSIONAL ENGINEER 4/29/15

NO.	DESCRIPTION		
4			
3			
2			
1			

REVISION (OR CHANGE NOTICES)

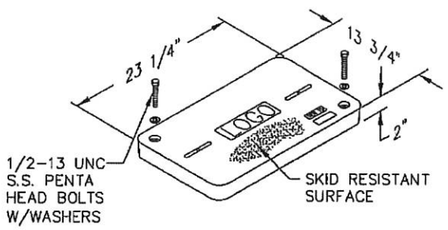
TRANSIT STOP ADA TRANSITION PLAN IMPROVEMENT PHASE I

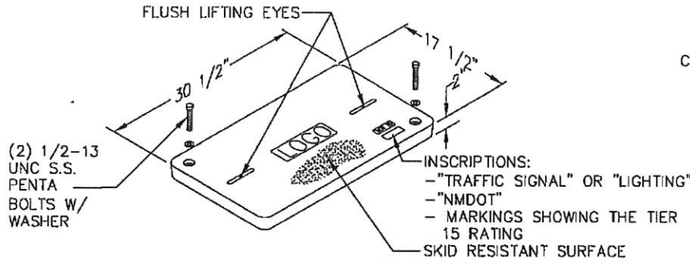
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF MUTCD)

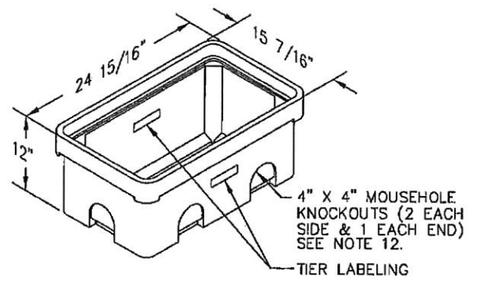
SHT 7-2

WILSON & COMPANY

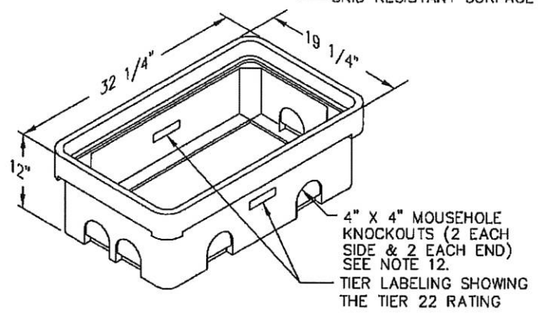
M:\TRN\14-100-139-00\CN9900290\PROPOSED\ROADWAYDESIGN\WORK\TRAFFIC_CONTROL&SIGNING.DWG9/29/2015 9:13 AM



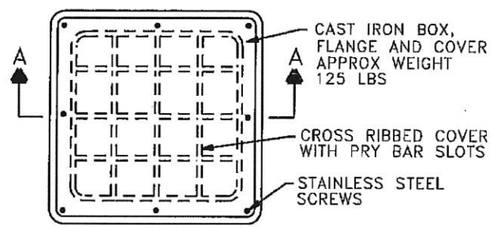




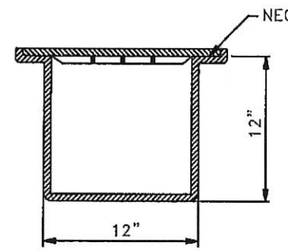
STANDARD PULL BOX



LARGE PULL BOX

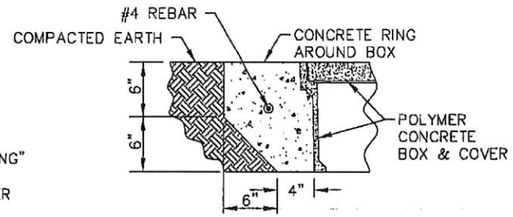


PLAN

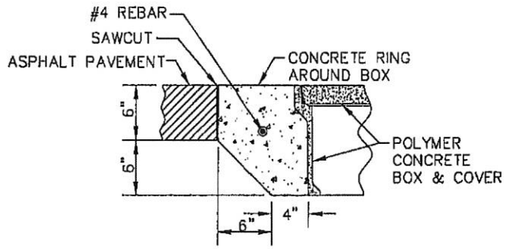


SECTION A-A

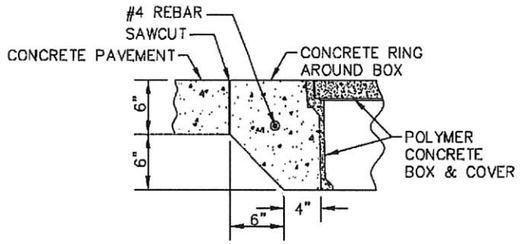
METAL PULL BOX



IN COMPACTED EARTH



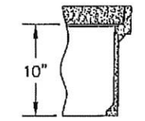
IN ASPHALT PAVEMENTS



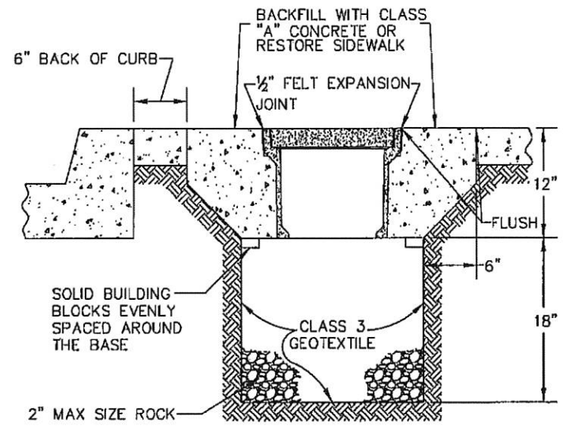
IN CONCRETE PAVEMENTS

CONCRETE COLLAR DETAIL

NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE PAID FOR UNDER THE CONTRACT ITEM FOR ELECTRICAL PULL BOX AND NO OTHER MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.



PULL BOX DETAILS



TYPICAL PULL BOX INSTALLATION

NOTE: SEE "CONCRETE COLLAR DETAILS"

PULL BOX NOTES:

1. ALL NON-DELIBERATE TRAFFIC PULL BOX COVERS MUST COMPLY WITH ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND MUST MEET THE TIER 15 APPLICATION. MARKINGS SHOWING THE TIER 15 RATING MUST BE EMBOSSED ON THE TOP SURFACE OF THE COVER.
2. ALL NON-DELIBERATE TRAFFIC PULL BOXES MUST COMPLY WITH ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND MUST MEET THE TIER 22 APPLICATION. MARKINGS SHOWING THE TIER 22 RATING MUST BE LABELED OR STENCILED ON THE INSIDE AND OUTSIDE OF THE BOX.
3. ALL NON-DELIBERATE TRAFFIC PULL BOXES AND COVER MUST BE MADE OF POLYMER CONCRETE WITH FIBERGLASS REINFORCEMENT. THE BOX MUST HAVE CONTINUOUS FIBERGLASS CLOTH REINFORCEMENT ON THE INSIDE AND OUTSIDE PERIMETERS. THE COVERS MUST HAVE A MINIMUM OF TWO LAYERS OF FIBERGLASS CLOTH REINFORCEMENT.
4. ALL TRAFFIC PULL BOXES AND COVERS MUST BE MADE FROM MATCHED METAL TOOLING TO ENSURE PRODUCT UNIFORMITY.
5. ALL NON-DELIBERATE TRAFFIC PULL BOXES AND COVERS MUST BE TESTED AND CERTIFIED BY UL (UNDERWRITERS LABORATORIES) OR A NATIONALLY RECOGNIZED THIRD PARTY INDEPENDENT TEST LAB AND REVIVIFIED EVERY YEAR TO MEET THE ANSI/SCTE 77 SPECIFICATIONS.
6. COVERS MUST BE SECURED TO PULL BOX USING 1/2-13 UNC S.S. PENTA HEAD BOLTS W/WASHERS.
7. FASTENERS MUST BE CAPABLE OF WITHSTANDING A TORQUE OF 56 FT LBS AND A PULL-OUT STRENGTH OF 750 LBS. THE PULL-OUT TEST MUST BE PERFORMED WITH THE COVER IN PLACE AND THE FASTENERS TORQUED TO 56 FT LBS. FASTENERS, INSERTS AND COVER MUST NOT BE DAMAGED BY THE PERFORMANCE OF THIS TEST
8. COVERS MUST BE MARKED "NMDOT" AND HAVE A NONSKID SURFACE WITH RECESSED LOCK-DOWN LOCATIONS FOR PENTA HEAD BOLTS.
9. THE NOMINAL DIMENSIONS OF THE OPENING IN WHICH THE COVER SETS MUST BE THE SAME AS THE COVER DIMENSIONS EXCEPT THE LENGTH AND WIDTH DIMENSIONS MUST BE 1/8 OR GREATER.
10. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
11. COLOR OF CONCRETE COLLAR SHALL MATCH COLOR OF SURROUNDING COLORED CONCRETE.
12. 4"x4" MOUSEHOLES MAY BE USED IF REQUESTED.

DRAWING NOT TO SCALE

NO.	DATE	REV. BY	DESCRIPTION

REVISIONS (OR CHANGE NOTICES)

NEW MEXICO
DEPARTMENT OF TRANSPORTATION
STANDARD DRAWING

PULL BOX DETAILS

710S-01-1/1

NMDOT SERIAL DRAWING

SHT 14-1